

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<input type="checkbox"/> In re application of:	R. Imanaka	: Art Unit:	RECEIVED DEC 28 2000 Technology Center 2600
Serial No.:	09/631,542	: Examiner:	
Filed:	August 3, 2000	:	
FOR:	SERVER APPARATUS, SUBSCRIBER APPARATUS AND INFORMATION ON DEMAND SYSTEM	:	
<input type="checkbox"/> Patent No.:		: Issued:	

REQUEST FOR REFUND

(Improper charge of Deposit Account)

Commissioner of Patents and Trademarks
Washington, D.C. 20231

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Technology Center 2600

Attention: Refund Section, Accounting Division, Office of Finance

S I R :

I. REFUND REQUEST

This is a request for refund with respect to the charge to Deposit Account No. 18-0350 shown on the statement dated August 31, 2000 for the above-identified

☒ application.

Adjustment date: 12/22/2000 NVILLARI
08/18/2000 MGORDON 00000007 180350 09631542 patent.
02 FC:109 234.00 CR

☒ A copy of the monthly statement in which the error referred to occurs, accompanies this request.

II. FEES CHARGED FOR WHICH REFUND IS REQUESTED

	AMOUNT OF REFUND REQUESTED
<input type="checkbox"/> Filing fee	_____
<input type="checkbox"/> Surcharge for filing the basic filing fee on a date later than the filing date of the application (37 CFR 1.16(e))	_____
and/or	
<input type="checkbox"/> Surcharge for filing the oath or declaration on a date later than the filing date of the application (37 CFR 1.16(e))	_____
<input type="checkbox"/> Extension of term	_____
_____ month	_____
<input checked="" type="checkbox"/> Excess claims	<u>\$234.00</u>
<input type="checkbox"/> Issue fee	_____
<input type="checkbox"/> Petition fee	_____
<input type="checkbox"/> Patent maintenance fee	_____
_____ maintenance fee	_____
<input type="checkbox"/> Patent maintenance fee surcharge	_____
<input type="checkbox"/> Other _____	_____
_____	_____
_____	_____
TOTAL REFUND REQUESTED	<u>\$234.00</u>

III. EXPLANATION OF WHY CONTESTED CHARGE IS IN ERROR

On August 3, 2000, a Reissue Divisional Application was filed. Original patented claims 1-13 were bracketed and new claims 14-16 were added. Therefore our claim count was 3 claims with 3 independent. A check for \$690 was enclosed to cover the filing fee. The bracketed claims were overlooked and therefore the claims were miscalculated by the Patent Office.

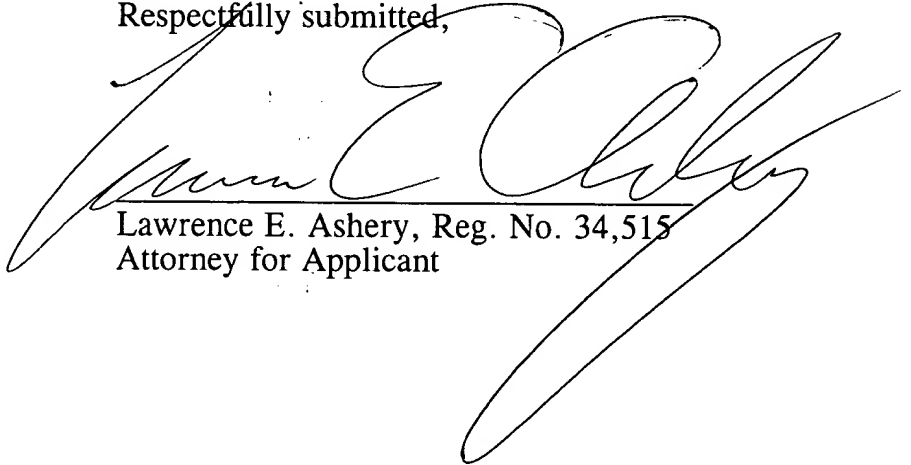
IV. MANNER OF REFUND

Please make refund by

☒ crediting Account No. 18-0350.

☐ refunding payment.

Respectfully submitted,

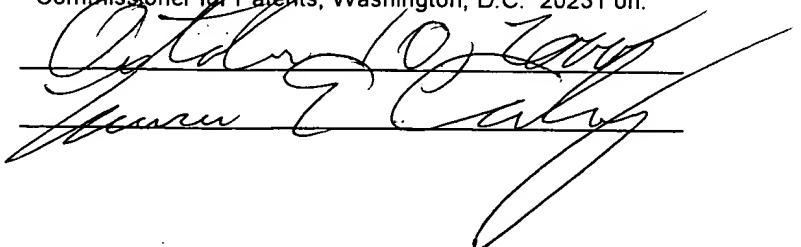

Lawrence E. Ashery, Reg. No. 34,515
Attorney for Applicant

LEA/ap
Dated: October 10, 2000

Suite 301
One Westlakes, Berwyn
P.O. Box 980
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(610) 407-0700

The Assistant Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on:



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MONTHLY STATEMENT OF DEPOSIT ACCOUNT

To replenish your Deposit Account, detach and return top portion with your check. Make check payable to Commissioner of Patents & Trademarks.

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Account No.	180350
Date	8-31-00
Page	1

RATNER AND PRESTIA

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Patent and Trademark Office
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Chicago, Ill. 60673

DATE POSTED			CONTROL NO.	- DESCRIPTION (Serial, Patent, TM, Order)	DOCKET NO.	FEE CODE	CHARGES/ CREDITS	BALANCE
MO.	DAY	YR.						
8	3	00	102	08993250	- MTS-2420	704	LM -52.00	5829.07
8	4	00	4	08827173	- MAT-4790	704	LM -1074.00	6903.07
8	8	00	1	P102740	-	122	130.00	6773.07
8	9	00	95	75719469	- PMD-020	704	AN -325.00	7098.07
8	9	00	142	REPLENISHMENT	-	704	-325.00	7423.07
8	14	00	2	PCT/US00/40190	- DSR-1148	704	AN -65.00	7488.07
8	14	00	225	09631416	TRV-100US	101	LC 306.00	7182.07
8	14	00	227	09631416	TRV-100US	102	LC 78.00	7104.07
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8	21	00	5	09631540	MAT-3720US2	109	156.00	7168.07
8	21	00	24	60224324	TUN563USP	114	LM 75.00	7093.07
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8	22	00	19	09125244	- Deb-700	704	-605.00	7708.07
8	22	00	29	PCT/US00/40132	- BSI-280	704	PP -65.00	7773.07
8	23	00	56	09640103	FKC-100US	101	KN 345.00	7428.07
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8	24	00	161	08857090	VRG-029TR	566	PP 15.00	7483.07
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8	25	00	3	09251964	BSI-0322	102	156.00	7217.07
8	25	00	4	09251964	BSI-0322	103	612.00	6605.07
8	25	00	5	09251964	BSI-0322	104	260.00	6345.07
8	25	00	6	09251964	BSI-0322	148	110.00	6235.07
8	28	00	14	09642270	FEHB-155US	104	LC 36.00	6199.07
8	28	00	32	09607618	BCI-V00161	101	174.00	6025.07
8	28	00	34	09607618	BCI-V00161	103	108.00	5917.07
8	28	00	35	09607618	BCI-V00161	102	234.00	5683.07
AN AMOUNT SUFFICIENT TO COVER ALL SERVICES REQUESTED MUST ALWAYS BE ON DEPOSIT				OPENING BALANCE 5777.07	TOTAL CHARGES 3187.00	TOTAL CREDITS 3093.00	CLOSING BALANCE 5683.07	

*** O.D. INDICATES OVERDRAWN



08/03/00

Please type a plus sign (+) inside this box → ☐

PTO/SB/50 (4/98)

Approved for use through 09/30/2000. OMB 0651-0033

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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DIVISIONAL

REISSUE PATENT APPLICATION TRANSMITTAL

BROADENED REISSUE

Address to:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

Attorney Docket No.	MAT-3720US3
First Named Inventor	Ryoichi Imanaka
Original Patent Number	5,790,172
Original Patent Issue Date (Month/Day/Year)	August 4, 1998
Express Mail Label No.	EL635061797US

APPLICATION FOR REISSUE OF:

(check applicable box)



Utility Patent



Design Patent



Plant Patent

APPLICATION ELEMENTS

1. ☒ * Fee Transmittal Form (PTO/SB/56)
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification and Claims (amended, if appropriate)
3. ☒ Drawing(s) (proposed amendments, if appropriate)
4. ☒ Reissue Oath / Declaration (original or copy)
(37 C.F.R. § 1.175)(PTO/SB/51 or 52)
5. Original U.S. Patent
☒ Offer to Surrender Original Patent (37 C.F.R. § 1.178)
(PTO/SB/53 or PTO/SB/54)
or
☐ Ribboned Original Patent Grant
☐ Affidavit / Declaration of Loss (PTO/SB/55)
6. Original U.S. Patent currently assigned?
☒ Yes ☐ No

(If Yes, check applicable box(es))

- ☒ Written Consent of all Assignees (PTO/SB/53 or 54)
- ☒ 37 C.F.R. § 3.73(b) Statement ☐ Power of Attorney

ACCOMPANYING APPLICATION PARTS

7. ☒ Foreign Priority Claim (35 U.S.C. 119)
(if applicable)
8. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
9. ☐ English Translation of Reissue Oath/Declaration
(if applicable)
10. ☐ Statement(s) ☐ * Small Entity Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
13. ☒ Other: Request for Transfer of Drawings: _____
Assent by Assignee: _____
Copy of 1st page of Letters Patent: _____

* NOTE FOR ITEMS 1 & 10 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

14. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address belowName Jacques L. Etkowicz
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NAME (Print/Type)

Jacques L. Etkowicz

Registration No. (Attorney/Agent)

41,738

Signature

Date

8/3/00

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REISSUE APPLICATION FEE TRANSMITTAL FORM
(DIVISIONAL)

Docket Number (Optional)

MAT-3720US3

Claims as Filed - Part 1

Claims in Patent	For	Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity	
				Rate	Fee	Rate	Fee
(A) 14	Total Claims (37 CFR 1.16(i))	(B) 3	**** 0 =	x \$	=	or	x \$ 18 = 0
(C) 8	Independent Claims (37 CFR 1.16(i))	(D) 3	0 =	x \$	=		x \$ 78 = 0
Basic Fee (37 CFR 1.16(h))				\$			\$ 690
Total Filing Fee				\$ 690	OR		\$ 690

Claims as Amended - Part 2

	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
					Rate	Fee	Rate	Fee
<input type="checkbox"/> Total Claims (37 CFR 1.16(i))	***	MINUS	**	=	x \$	=	or	x \$ =
<input type="checkbox"/> Independent Claims (37 CFR 1.16(i))	***	MINUS	*****	=	x \$	=		x \$ =
Total Additional Fee					\$	OR	\$	

If the entry in (D) is less than the entry in (C), Write "0" in column 3.

If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.

After any cancellation of claims

If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).

"Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).

☐ Please charge Deposit Account No. _____ in the amount of _____.
 A duplicate copy of this sheet is enclosed.

☒ The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. 18-0350.
 A duplicate copy of this sheet is enclosed.

☒ A check in the amount of \$ 690 to cover the filing / additional fee is enclosed.

8/3/00
 Date

 Signature of Applicant, Attorney or Agent of Record

Jacques L. Etkowicz, Reg. No. 41,738

Typed or printed name

1
SERVER APPARATUS, SUBSCRIBER
APPARATUS AND INFORMATION ON
DEMAND SYSTEM

BACKGROUND OF THE INVENTION

(1) Field of the Invention

The present invention relates to an information on demand system which provides information to subscribers through a CATV network and process improvement of a system in which subscribers pay charge to a server according to provided amount of information. Accordingly, in an information on demand system in accordance with the present invention, a plurality of different charging system are provided for every form which a subscriber utilizes the information.

(2) Description of the Prior Art

In an information on demand system such as CATV, an information provider (server) and users (subscribers) make contract each other. CATV cables are provided between the server and the subscribers and an information such as an audio/video signal is provided from the server to the subscribers. In this case, there is basically only one charging system and the charging system is that the server periodically collects the same amount of charge even if the subscriber records an audio/video information provided by the server in a video tape recorder (VTR, hereafter) or the like that at the subscriber (receiver) side or the subscriber merely listens/watches the same information by a television receiver without recording it in a VTR.

In the above-mentioned charging system, however, different charging systems can be set for the same CATV line.

Especially, since audio/video information becomes to be transmitted by a digital signal, if the audio/video information which is composed of a digital signal is recorded in a recording medium such as a digital video tape recorder (VTR), a copy which has no deterioration in audio/video quality compared with an audio/video information provided by the server can be obtained at the subscriber side. This is a problem from a view point of copyright protection.

SUMMARY OF THE INVENTION

An information on demand system in accordance with the present invention aims at making subscribers of CATV terminals pay adequate charge to a CATV server. It makes possible to control a recording/reproducing apparatus (usually called merely a recorder) and to record a received information in a recording medium. Using an information on demand system in accordance with the present invention, the subscribers can pay adequate charge to the server according to the purpose for which the subscribers use the received information.

To solve the above-mentioned problem, an information on demand system in accordance with the present invention includes an information providing apparatus for providing an audio/video information according to a subscriber's request; a display terminal for displaying the audio/video information provided by the information providing apparatus; and a recording/reproducing apparatus for recording the audio/video information provided by the information providing apparatus; and is composed so that a different amount is charged to the subscriber among the case in which only the information is displayed on a display terminal, the case in which the information is recorded in a recording/reproducing apparatus and the case in which not only the information is displayed on a display terminal but also the information is recorded in a recording/reproducing apparatus.

10 BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 2 is a block diagram of a display terminal used in an information on demand system in accordance with the first exemplary embodiment of the present invention.

FIG. 4 is a block diagram of a subscriber apparatus used in an information on demand system in accordance with a fourth exemplary embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

(First Exemplary Embodiment)

The right side of FIG. 1 shows a block diagram of a subscriber apparatus at a receiver side of the system. Block 6 is a provided information designating apparatus for reporting the information which the subscriber requests to the

The performance of an information on demand system composed as the above is explained below. In the exemplary embodiment, a CATV cable is used for line 11.

Information providing apparatus 2 which was allowed to provide the audio/video information transmits the audio/video information which the subscriber had requested to information receiving apparatus 7 through line 11. Information receiving apparatus 7 demodulates (decodes) the received audio/video information. In the case in which the information signal is transmitted with a scrambled procedure, the signal is provided to subscriber's mode discriminating apparatus 8 after descrambling procedure. Subscriber's mode discriminating apparatus 8 outputs the audio/video information either to display terminal 10 such as a CRT or to recording/reproducing apparatus 9 according to the subscriber's request. At the same time, the subscriber's information is transmitted to subscriber's mode recognizing apparatus 3 at the server side through line 11.

Subscriber's mode recognizing apparatus 3 which received an information from the subscriber outputs the information to charging apparatus 4. Charging apparatus 4 is set so that the charging amount is larger when the audio/ video information is provided to the subscriber's recording/ reproducing apparatus 9 than when provided to the subscri-

In the case of an audio/video information such as movies because it is necessary to record an audio/video information for several hours by a digital signal, an optical disk is used as recording/reproducing apparatus 9 in the exemplary embodiment.

15 An information on demand system in accordance with a second exemplary embodiment of the present invention is explained below referring to FIGS. 1 and 2. The blocks having similar functions to those in the first exemplary embodiment are numbered with the same reference numbers.

40 The performance of the information on demand system is similar to that of the first exemplary embodiment. Because the information in semiconductor memory 23 of display terminal 10 is erased after a designated time, when the information is provided to display terminal 10, the subscriber can enjoy a game for the designated time.

(Third Exemplary Embodiment)

Block 12 is a user's drive operating state logging apparatus for collecting information concerning to a user's drive operating state and has a configuration to collect each subscriber's charge and to write the charge information for every subscriber.

Charging apparatus 4 and charge registering apparatus 5 are included in the subscriber apparatus. Charging apparatus 65 4 charges a different amount between the case in which an audio/video information is provided to display terminal 10 and the case in which the audio/video information is pro-

The subscriber designates the title name of the program which the subscriber requests through provided information designating apparatus 6. Provided information designating apparatus 6 transmits the requested title name and the ID number to the server side through line 11. When the server side receives the requested title name and the ID number, the server outputs a signal to allow to provide the audio/video information to information providing apparatus 2.

User's drive operating state logging apparatus 12 collects the charge which is asn information concerning to the subscriber's ID number and the user's drive operating state at every month and from every subscriber and writes the charge information for every subscriber. The server can collect the accumulated amount based on the written charge information at every month from every subscriber.

Because it is not necessary to identify a subscriber's ID number at every time when the audio/video information is provided to the subscriber, the construction at the server side is simple and the time taken for providing information can be shortened.

A construction without provided information designating apparatus 6 at the subscriber side can also set a different charging system from usual charging system when a copy without any quality deterioration in sound and picture is made. 60

A block diagram of a subscriber apparatus of an information demand system in accordance with a fourth exemplary embodiment of the present invention is shown in FIG. 4.

The output signal of decoder/descrambler 33 is separated into a control data signal at demultiplexer 34 and the separated signals are outputted. The compressed audio signal outputted from output terminal 34b is converted into an original audio signal at audio decompressor 36, the compressed video signal outputted from output terminal 34c is converted into an original video signal at video compressor 35. As a compression method, for example, an MPEG method is used. The control data signal, the compressed

video signal, the compressed audio signal from demulti-
 plexer 34 and the output signal of decoder/descrambler 33
 are inputted to terminal controller 39. Both the audio signal
 at terminal 34b and the video signal at terminal 34c are
 compressed digital bit-stream signals and they are supplied
 to recording/reproducing apparatus 41 via terminal control-
 ler 39. The audio/video information is recorded in the
 recording medium by recording (writing) the compressed
 digital bit-stream at recording/reproducing apparatus 41.

The performance when a provided audio/video informa-
 tion signal is recorded and reproduced at recording/
 reproducing apparatus 41 is explained below, referring to a
 flow chart shown in FIG. 5.

Recording/reproducing apparatus 41 is controlled by ter-
 minal controller 39. As an interface between recording/
 reproducing apparatus 41 and terminal controller 39, for
 example, SCSI-2 (ANSI standard X3. 13-199X) is used.

A recording medium is loaded on recording/reproducing
 apparatus 41. (action 51 in FIG. 5)

A program which the subscriber wants to record is
 selected with input key 40 and a write command is given to
 terminal controller 39. A subscriber's ID number to identify
 the subscriber and a title name of the program which the
 subscriber wants to record are written in a recording medium
 of recording/reproducing apparatus 41. (action 52)

A recording/reproducing apparatus ID number to identify
 the recording/reproducing apparatus 41, the subscriber's ID
 number and the title name of the program are checked.
 (action 53)

When all the recording/reproducing apparatus ID number,
 the subscriber's ID number and the title name of the program
 are confirmed to be those already registered, recording in the
 recording medium starts with a following procedure.

When one or more than one of the recording/reproducing
 apparatus ID number, the subscriber's ID number and the
 title name of the program are confirmed not to be those
 already registered, terminal controller 39 informs to the
 subscriber that the recording/reproducing apparatus ID
 number, the subscriber's ID number or the title name of the
 program is wrong. (action 54)

Then, terminal controller 39 gives a command to start
 recording to recording/reproducing apparatus 41. When the
 program which the subscriber requests is inputted through
 line 32, recording/reproducing apparatus 41 starts recording.
 (action 55)

When recording/reproducing apparatus 41 finishes
 recording, the fact that the recording finished is registered in
 terminal controller 39. (action 56)

Thus, the CATV server can manage the subscriber's
 charge, if necessary.

The subscriber apparatus is composed so that both the
 video signal and the audio signal outputted from video
 output terminal 37 and audio output terminal 38,
 respectively, are outputted via terminal controller 39 as a
 compressed digital bit-stream and whether the ID number is
 written in the writing medium is checked at starting of
 recording and when the subscriber's ID number is not
 written, the audio/video information is not supplied to
 recording/reproducing apparatus 41. Therefore, unless all
 the recording/reproducing apparatus ID number, the sub-
 scriber's ID number and the title name of the recorded
 program are registered, the subscriber can neither record the
 audio/video information in recording/reproducing apparatus
 41 nor watch the program on the television receiver (display
 terminal).

65 2. An information on demand system comprising:
information providing means for providing information
according to a request from a subscriber;

subscriber mode discriminating means for discriminating 65
whether a further information signal output from said
information receiving means is provided a) to a display

charging means for charging a different amount among a) in the case in which said further information is provided to said display means, b) in the case in which said further information is provided to said recording means and c) in the case in which said further information is provided to said display means and to said recording means according to an output of said subscriber mode discriminating means; and

6. A subscriber apparatus as recited in claim 5; wherein
15 the charge registering means periodically informs the sub-
scriber's charge to a server.

20 terminal control means for inputting a demodulated information signal of said demodulating means, outputting a signal to recording means which records said demodulated information signal in a recording medium in which a subscriber identification number is recorded
25 and controlling supply of the output signal: and wherein

8. A subscriber apparatus as recited in claim 7; wherein said demodulated information signal is not output to said recording means, when the subscriber identification number is not recorded in the recording medium of said recording means.

45 10. A subscriber apparatus as recited in claim 9 wherein:
said subscriber is determined from the identification num-
ber of said recording means; and
a charge is collected from said subscriber.

transmitting the information to at least one of a subscriber display means and a subscriber recording means for displaying and recording the information respectively. and

65 wherein said request for information indicates whether the
subscriber is recording said information on said record-
ing means.

5
 sending means for sending the information to at least one
 of a subscriber display means and a subscriber record-
 ing means for displaying and recording the information
 respectively, and

[illegible]

5 wherein said request for information indicates whether the
subscriber is recording said information on said record-
ing means.]

◆ ◆ ◆ ◆ ◆

[57]

An information on demand system provides a user of a terminal (subscriber) information through a network such as CATV such that the user pays an adequate charge to a server (information provider). According to the information on demand system, the received information can be recorded in a recording medium under control of the terminal equipment. Cases in which 1) the subscriber merely watches a program on a television receiver and: 2) the subscriber records the program and watches it by reproducing the recorded information at another time are distinguished and the subscriber is charged a different amount by the server accordingly.

00631542.000300

1 ^j 14. A recording medium for
2 recording information, said recording
3 medium comprising:

4 an identifier;

5 wherein said information is
6 recorded on said recording medium based
7 on a presence of said identifier; and

8 wherein recording of said
9 information on said recording medium
10 effects charges for said information.

1 ^j 15. A recording medium,
2 comprising:

3 information; and

4 an identifier;

5 wherein said information is
6 recorded on said recording medium based
7 on a presence of said identifier; and

8 wherein recording of said
9 information on said recording medium
10 effects charges for said information.

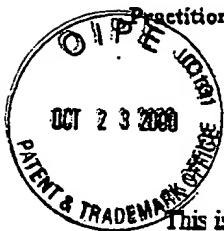
1 ✓ 16. A method for charging for
2 information, said method comprising the
3 steps of:

4 providing a recording medium
5 having an identifier;

6 recording said information on
7 said recording medium based on a presence
8 of said identifier; and

allowing recording of said
information on said recording medium to
affect charges for said information.

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Practitioner's Docket No. MAT-37701JS3

PATENT

ASSENT BY ASSIGNEE FOR FILING OF REISSUE APPLICATION (DIVISIONAL)

RECEIVED

DEC 28 2000

Technology Center 2600

This is part of the application for a reissue patent filed herewith based on the original patent identified as follows:

Name of Patentee: Matsushita Electric Industrial Co., Ltd.

Patent Number: 5,790,172

Date Patent Issued: 08/04/1998

Title of Invention: SERVER APPARATUS, SUBSCRIBER APPARATUS AND INFORMATION ON DEMAND SYSTEM

I am an assignee owning an undivided interest to the above original patent.

I assent to the accompanying application for reissue.

Attached is a "Certificate under 37 C.F.R. section 3.73(b)"

Matsushita Electric Industrial Co., Ltd.


Signature of person signing for assignee

Date: October 18, 2000

Dr. Osamu Yamazaki
Director

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Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

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PTO/SB/S1 012-970

Approved for use through 9/30/00 0148 0651-0033

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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**DIVISIONAL
REISSUE APPLICATION DECLARATION BY THE INVENTOR**

Socket Number (Optional)

MAF-3720US3

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,790,172, granted August 4, 1998, and for which a reissue patent is sought on the invention entitled SERVER APPARATUS, SUBSCRIBER APPARATUS AND

INFORMATION ON DEMAND SYSTEM

the specification of which

 is attached hereto.

☒ was filed on August 3, 2000 as reissue application number 09 / 631,542
and was amended on August 3, 2000.
(if applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred in above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described as follows:

During the prosecution of the application that issued as the above patent, I did not recognize that the features disclosed at column 2, lines 53-63 and column 7, lines 20-35 were appropriate to claim. As such, I did not claim all that I had a right to claim. This error was made without deceptive intent.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

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~~DEVISIONAL~~
(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

MAI-3720US3

All errors corrected in this reissue application arise without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Name(s)	Registration Number
---------	---------------------

Laurence F. Ashery	34,515
--------------------	--------

Jacques L. Etkowicz 41.738

Correspondence Address: Direct all communications about the application to:

☐ Customer Number

OR

Type Customer Number here

**Place Customer Number Bar
Code Label here**

<input checked="" type="checkbox"/> Firm or Individual Name	Ratner & Prestia
---	------------------

Address P.O. Box 980

Address

City	Valley Forge
------	--------------

State

PA

ZIP

19482

Country	United States
---------	---------------

Telephone	610-407-0700
-----------	--------------

Fax

610-407-0701

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

Ryoichi Imanaka

Inventor's signature

Residence Hirakata, Japan

Date _____

October 18, 2000

Post Office Address 1-2-6, Kureha Mushi, Himekura-shi, Osaka 573.

Citizenship

Japanese

Full name of second joint inventor (given name, family name)

Inventor's signature

Date _____

Residence

Citizenship

Post Office Address

Full name of third joint inventor (given name, family name)

Inventor's signature

Date

Residence

Citizenship

Post Office Address

☐ Additional joint inventors are named on separately numbered sheets attached hereto.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**REISSUE APPLICATION BY THE ASSIGNEE,
OFFER TO SURRENDER PATENT**

Docket Number (Optional)

MAT-3720US3

This is part of the application for a reissue patent based on the original patent identified below.

Name of Patentee(s):

Ryoichi Imanaka

Patent Number

5,790,172

Date Patent Issued

August 4, 1998

Title of Invention

SERVER APPARATUS, SUBSCRIBER APPARATUS AND INFORMATION ON DEMAND SYSTEM

Matsushita Electric Industrial Co., Ltd. is the assignee of the entire interest in the original patent.

I offer to surrender the original patent.

☒ A certificate under 37 CFR 3.73(b) is attached.

I am authorized to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.

Name of assignee

Matsushita Electric Industrial Co., Ltd.

Signature of person signing for assignee

Date

October 18, 2000

Typed or printed name and title of person signing for assignee

Dr. Osamu Yamazaki

Director

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/38/92 (08-99)

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DIVISIONAL REISSUE APPLICATION DECLARATION BY THE ASSIGNEE

Docket Number (optional)

MA T-3720153

I hereby declare that:

My residence and post office address and citizenship are stated below next to my name.

I am authorized to act on behalf of the following assignee: Matsushita Electric Industrial Co., Ltd.

and the title of my position with said assignee is:

The entire title to the patent identified below is vested in said assignee.

Name of Patentee(s):

Ryoichi Imanaka

Patent Number

5,790,172

Date of Patent Issued:

August 4, 1998

Title of Invention

SERVER APPARATUS, SUBSCRIBER APPARATUS AND INFORMATION ON DEMAND SYSTEM

I believe said patentee(s) to be the original, first and sole/joint inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled _____

SERVER APPARATUS, SUBSCRIBER APPARATUS AND INFORMATION ON DEMAND SYSTEM

the specification of which

is attached hereto.

☒ was filed on August 3, 2000 as reissue application number 09/631,542
and was amended on August 3, 2000

(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ By reason or other errors.

At least one error upon which reissue is based is described as follows:

During the prosecution of the application that issued as the above patent, the inventor, Ryoichi Imanaka, did not recognize that the features disclosed at column 2, lines 53-63 and column 7, lines 20-35 were appropriate to claim. As such, Mr. Imanaka did not claim all that he had a right to claim. This error was made without deceptive intent.

[Attach additional sheets, if needed.]

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

[Page 1 of 2]

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Divisional (REISSUE APPLICATION DECLARATION BY THE ASSIGNEE, page 2)		Checklist Number (Optional) MAT-3720US3	
I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.			
Name(s)		Registration Number	
Lawrence F. Ashery		34,515	
Jacques L. Etkowicz		41,738	
Correspondence Address: Direct all communications about the application to:			
<input type="checkbox"/> Customer Number		<div style="border: 1px solid black; width: 150px; height: 40px; margin: 0 auto;"></div> Type Customer Number Here	
		Place Customer Number Bar Code Label Here	
OR			
<input checked="" type="checkbox"/> Firm or Individual Name		Ratner & Prestia	
Address		P.O. Box 980	
Address			
City		Valley Forge	State PA Zip 19482
Country			
Telephone		(610) 407-0700	Fax (610) 407-0701
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1 001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.			
Full name of person signing (given name, family name) <u>Dr. Osamu Yamazaki, Director</u>			
Signature			
		Date October 18, 2000	
Address of Assignee 1006, Oaza Kadoma, , Kadoma-shi Osaka 571 Japan			
Patentee		Citizenship	
Ryoichi Imanaka		Japanese	
Residence/Post Office Address Residence: Hirakata Japan Post Office Address: 3-2-6, Kuzuha Mizaki, Hirakata shi, Osaka 573 Japan			
Patentee		Citizenship	
Residence/Post Office Address			



Please type a plus sign (+) inside this box →

PTQ/SE/02C (3-97)

Approved for use through 8/30/88. CMA 0551-1072

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DECLARATION

**REGISTERED PRACTITIONER
INFORMATION
(Supplemental Sheet)**

Name	Registration Number	Name	Registration Number
Kevin R. Casey	32,117		
Benjamin E. Leace	33,412		
James C. Simmons	24,842		
Lawrence E. Ashery	34,515		
Christopher R. Lewis	36,201		
Robert L. Andersen	25,771		
Daniel N. Calder	27,424		
Louis W. Beardell, Jr.	40,506		
Jacques L. Etkowicz	41,738		
Jonathan H. Spadt	45,122		
Joshua L. Cohen	38,040		
Jack J. Yankovitz	42,690		
Christopher I. Halliday	42,621		
Allan Ratner	19,717		
Paul F. Prestia	23,031		
Andrew L. Ney	20,300		
Kenneth N. Nigon	31,549		

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DEC 28 2000

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Applicant: R. Imanaka

: Art Unit:

Serial No.: ~~For Examination~~ 09/631,542

: Examiner:

Filed: ~~March 11~~ August 3, 2000

FOR: SERVER APPARATUS,
SUBSCRIBER APPARATUS AND
INFORMATION ON DEMAND SYSTEM

CERTIFICATE UNDER 37 CFR 3.73 (b)

Assistant Commissioner for Patents
Washington, D.C. 20231

SIR:

Matsushita Electric Industrial Co., Ltd., a Japanese Corporation certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 7692, Frame 0439, for which a copy thereof is attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by

00531542-000300



00年10月19日(木):9時06分 宛先:トナ-

宛先:松下技術情報サービス(株)

R:882 P.13



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RATNER & PRESTIA
P.O. BOX 900
500 N. GULPH ROAD
VALLEY FORGE, PA 19432

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RECORDATION DATE: 10/13/1995

REEL/FRAME: 7692/0439
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
IMANAKA, RYOICHI

DOC DATE: 09/26/1995

ASSIGNEE:
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
1006 OAZA KADOMA, KADOMA-SHI
OSAKA, JAPAN 571

SERIAL NUMBER: 08503604
PATENT NUMBER:

FILING DATE: 07/18/1993
ISSUE DATE:

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

22-3600

No registration required



ASSIGNMENT

WHEREAS, the ASSIGNOR, comprising the following named inventor(s)

inventor(s)

ASSIGNOR(S) / 1. Rynichi Imanaka
INVENTOR(S)

TITLE has made an invention entitled:

SERVER APPARATUS, SUBSCRIBER APPARATUS AND
INFORMATION ON DEMAND SYSTEM

and has executed an application for Letters Patent of the United States concurrently herewith;

WHEREAS, the ASSIGNEE

1. Name of the company: Matsushita Electric Industrial Co., Ltd.
 2. Full Name
 3. Address: 1006, Oazu Kadoma, Kadoma-shi, Osaka, 571 Japan

is desirous of acquiring the entire interest in and to said invention and the letters patent to be obtained therefor,

NOW, THEREFORE, in consideration of the payment by ASSIGNEE to ASSIGNOR of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, intending to be legally bound, hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions and continuations thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: R. Imanaka : Art Unit:
Serial No.: To Be Assigned : Examiner:
Filed: Herewith
FOR: SERVER APPARATUS,
SUBSCRIBER APPARATUS AND
INFORMATION ON DEMAND SYSTEM

CERTIFICATE UNDER 37 CFR 3.73 (b)

Assistant Commissioner for Patents
Washington, D.C. 20231

S I R :

Matsushita Electric Industrial Co., Ltd., a Japanese Corporation certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 7692, Frame 0439, for which a copy thereof is attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
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Washington, D.C. 20231

MARCH 08, 1996

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RATNER & PRESTIA
P.O. BOX 980
500 N. GULPH ROAD
VALLEY FORGE, PA 19482

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RECORDATION DATE: 10/13/1995

REEL/FRAME: 7692/0439

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

IMANAKA, RYOICHI

DOC DATE: 09/26/1995

ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
1006 OAZA KADOMA, KADOMA-SHI
OSAKA, JAPAN 571

SERIAL NUMBER: 08503604

FILING DATE: 07/18/1995

PATENT NUMBER:

ISSUE DATE:

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

MAT-3600

No legalization required

ASSIGNMENT

WHEREAS, the ASSIGNOR, comprising the following named inventor(s)

Inventor(s)

ASSIGNOR(s) /
INVENTOR(s) 1. Ryoichi Imanaka

TITLE

has made an invention entitled:

SERVER APPARATUS, SUBSCRIBER APPARATUS AND
INFORMATION ON DEMAND SYSTEM

and has executed an application for Letters Patent of
the United States concurrently herewith;

WHEREAS, the ASSIGNEE

ASSIGNEE
(Full Name
and address)

Matsushita Electric Industrial Co., Ltd.
1006, Oaza Kadoma, Kadoma-shi, Osaka, 571 Japan

is desirous of acquiring the entire interest in and to
said invention and the Letters Patent to be obtained
therefor,

NOW, THEREFORE, in consideration of the
payment by ASSIGNEE to ASSIGNOR of a sum corresponding
to One Dollar (\$1.00), and for other good and valuable
consideration, the receipt of which is hereby
acknowledged, ASSIGNOR, intending to be legally bound,
hereby sells, assigns and transfers to ASSIGNEE, its
successors and assigns the full and exclusive right,
title and interest in and to said invention, all
applications for Letters Patent for said invention,
including all divisions and continuations thereof, all
rights to claim priority based thereon, and all Letters
Patent, including reissues, to be obtained therefor,
including any and all foreign patent rights in this
invention corresponding thereto.

ASSIGNOR hereby warrants that no assignment,
sale, agreement or encumbrance has been or will be made
or entered into which would conflict with this
Assignment.

THE

Attorney Docket No. MAT-3720.

Please transfer the drawings from original patent, 5,790,172, filed on July 18, 1995, for the invention entitled **SERVER APPARATUS, SUBSCRIBER APPARATUS AND INFORMATION ON DEMAND SYSTEM** to the reissue application, the specification of which is attached hereto.

8/3/00

Lawrence E. Ashery, Reg. No. 34,515
Jacques L. Etkowicz, Reg. No. 41,738
Ratner & Prestia
P.O. Box 980
Valley Forge, PA 19482

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-22-2011 BY 60322
UCBAW/STP

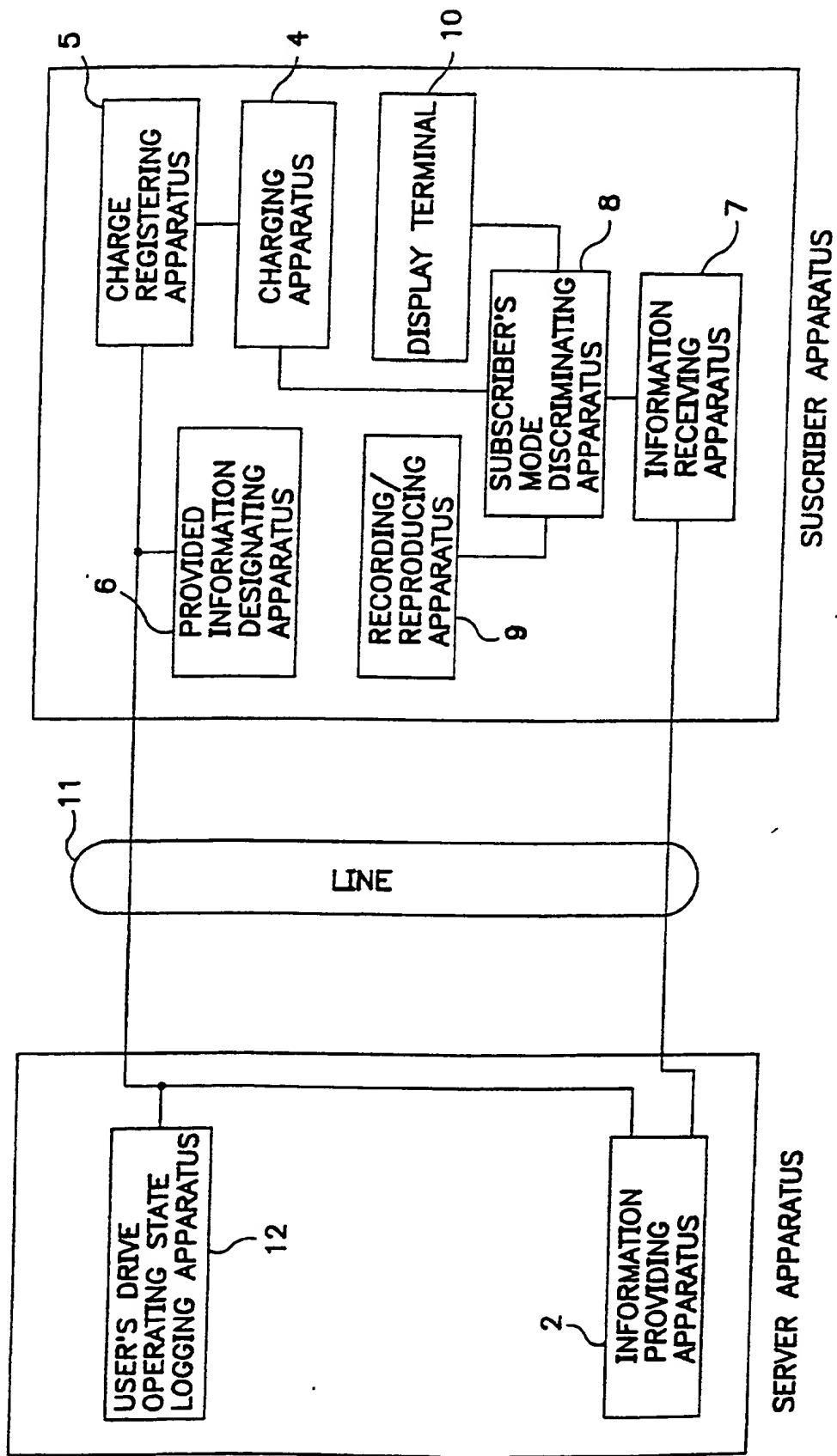


FIG. 3

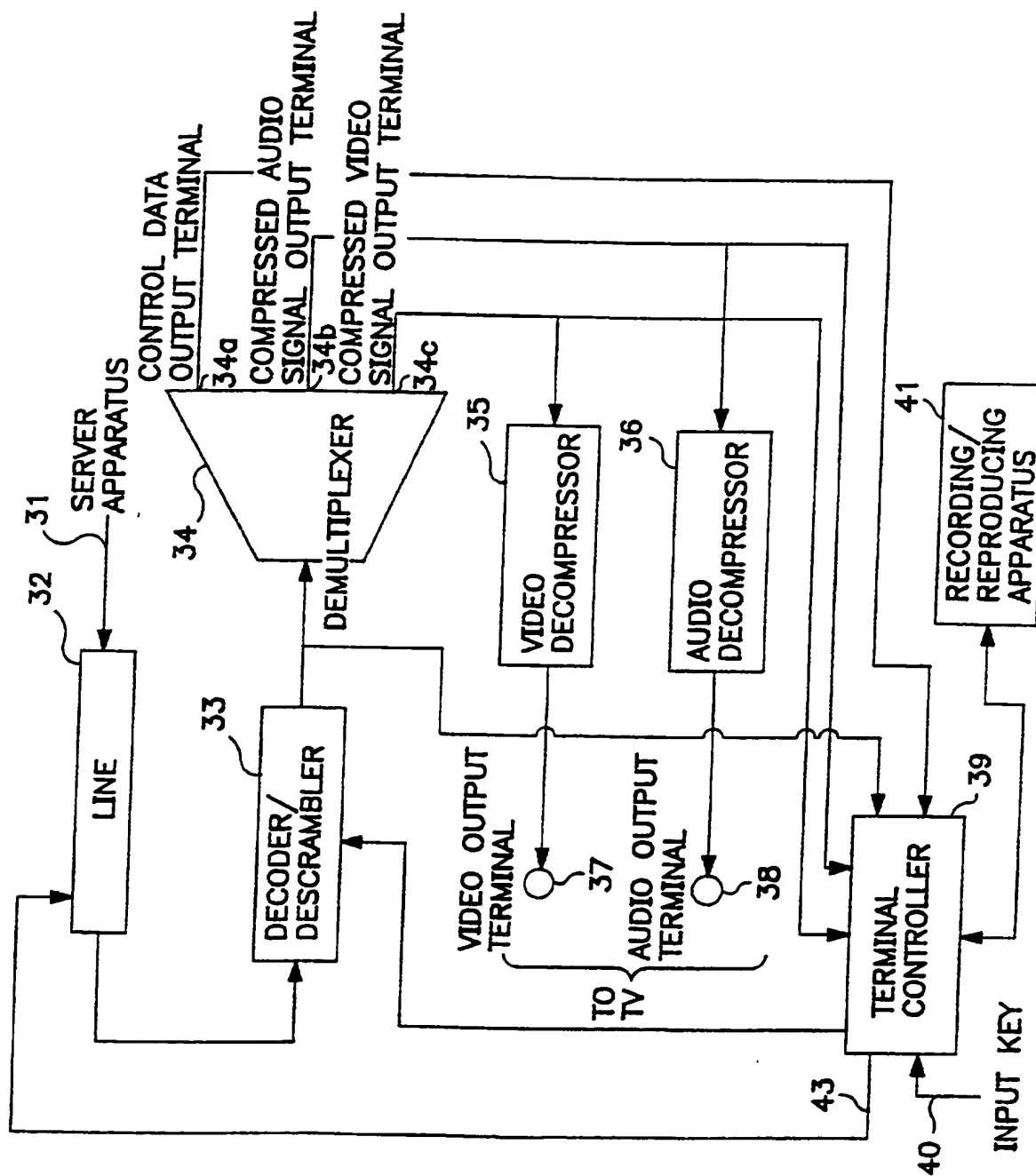


FIG. 4

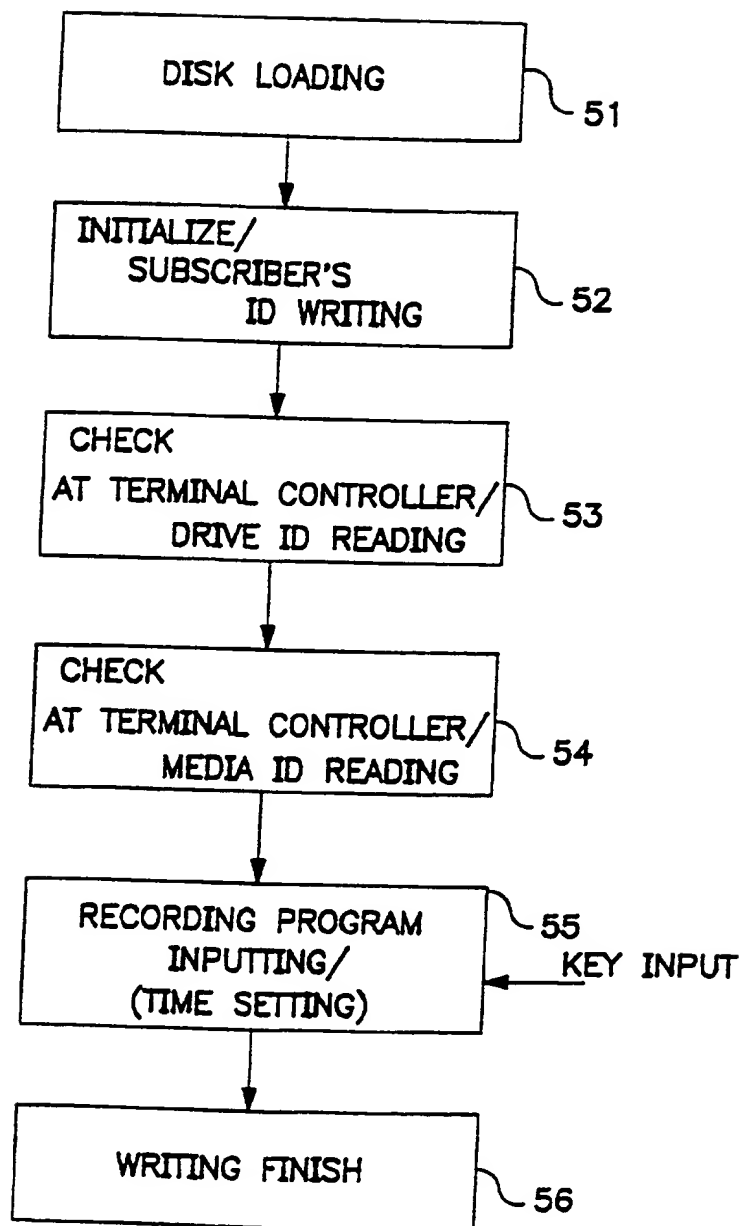
[illegible]

FIG. 5

DIVISIONAL REISSUE APPLICATION DECLARATION BY THE INVENTOR	Docket Number (Optional) MAT-3720US3
---	---

As a below named inventor, I hereby declare that:
My residence, post office address and citizenship are stated below next to my name.
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,790,172, granted August 4, 1998, and for which a reissue patent is sought on the invention entitled SERVER APPARATUS, SUBSCRIBER APPARATUS AND INFORMATION ON DEMAND SYSTEM, the specification of which

☒ is attached hereto.

☐ was filed on _____ as reissue application number ____ / _____ and was amended on _____ (if applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described as follows:
During the prosecution of the application that issued as the above patent, I did not recognize that the features disclosed at column 2, lines 53-63 and column 7, lines 20-35 were appropriate to claim. As such, I did not claim all that I had a right to claim. This error was made without deceptive intent.

[Page 1 of 2]

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DIVISIONAL

(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Docket Number (Optional)

MAT-3720US3

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Name(s)

Registration Number

Lawrence E. Ashery

34,515

Jacques L. Etkowicz

41,738

Correspondence Address: Direct all communications about the application to:



Customer Number

OR

Type Customer Number here

Place Customer Number Bar
Code Label hereFirm or
Individual Name

Ratner & Prestia

Address

P.O. Box 980

Address

City

Valley Forge

State

PA

ZIP

19482

Country

United States

Telephone

610-407-0700

Fax

610-407-0701

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

Ryoichi Imanaka

Inventor's signature

Residence

Hirakata, Japan

Date

Post Office Address 3-2-6, Kuzuhisa Misaki, Hirakata-shi, Osaka 573,
Japan

Citizenship

Japanese

Full name of second joint inventor (given name, family name)

Inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of third joint inventor (given name, family name)

Inventor's signature

Date

Residence

Citizenship

Post Office Address



Additional joint inventors are named on separately numbered sheets attached hereto.

Please type a plus sign (+) inside this box → ☐

PTO/SB/02C (3-97)

Approved for use through 9/30/98. OMB 0851-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION

REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number
Kevin R. Casey	32,117		
Benjamin E. Leace	33,412		
James C. Simmons	24,842		
Lawrence E. Ashery	34,515		
Christopher R. Lewis	36,201		
Robert L. Andersen	25,771		
Daniel N. Calder	27,424		
Louis W. Beardell, Jr.	40,506		
Jacques L. Etkowicz	41,738		
Jonathan H. Spadt	45,122		
Joshua L. Cohen	38,040		
Jack J. Jankovitz	42,690		
Christopher I. Halliday	42,621		
Allan Ratner	19,717		
Paul F. Prestia	23,031		
Andrew L. Ney	20,300		
Kenneth N. Nigon	31,549		

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Divisional (REISSUE APPLICATION DECLARATION BY THE ASSIGNEE, page 2)		Docket Number (Optional) MAT-3720US3	
I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.			
Name(s)		Registration Number	
Lawrence E. Ashery		34,515	
Jacques L. Etkowicz		41,738	
Correspondence Address: Direct all communications about the application to:			
<input type="checkbox"/> Customer Number		<div style="border: 1px solid black; width: 150px; height: 40px; margin: 0 auto;"></div> → <div style="border: 1px solid black; padding: 5px; width: 150px; margin: 0 auto; text-align: center;"> Place Customer Number Bar Code Label Here </div>	
		<i>Type Customer Number Here</i>	
OR			
<input checked="" type="checkbox"/> Firm or Individual Name		Ratner & Prestia	
Address		P.O. Box 980	
Address			
City	Valley Forge	State	PA Zip 19482
Country			
Telephone	(610) 407-0700	Fax	(610) 407-0701
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1 001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.			
Full name of person signing (given name, family name) Dr. Osamu Yamazaki, Director			
Signature		Date	
Address of Assignee 1006, Oaza Kadoma, , Kadoma-shi Osaka 571 Japan			
Patentee Ryoichi Imanaka		Citizenship Japanese	
Residence/Post Office Address Residence: Hirakata Japan Post Office Address: 3-2-6, Kuzuha Misaki, Hirakata-shi, Osaka 573 Japan			
Patentee		Citizenship	
Residence/Post Office Address			

Please type a plus sign (+) inside this box → ☐

PTO/SB/02C (3-97)

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DECLARATION

REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

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Paul F. Prestia	23,031		
Andrew L. Ney	20,300		
Kenneth N. Nigon	31,549		

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DIVISIONAL REISSUE APPLICATION BY THE ASSIGNEE, OFFER TO SURRENDER PATENT		Docket Number (Optional) MAT-3720US3
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s): Ryoichi Imanaka		
Patent Number 5,790,172	Date Patent Issued August 4, 1998	
Title of Invention SERVER APPARATUS, SUBSCRIBER APPARATUS AND INFORMATION ON DEMAND SYSTEM		
<p><u>Matsushita Electric Industrial Co., Ltd.</u> is the assignee of the entire interest in the original patent.</p> <p>I offer to surrender the original patent.</p> <p><input checked="" type="checkbox"/> A certificate under 37 CFR 3.73(b) is attached.</p> <p>I am authorized to act on behalf of the assignee.</p>		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.		
Name of assignee <u>Matsushita Electric Industrial Co., Ltd.</u>		
Signature of person signing for assignee		Date
Typed or printed name and title of person signing for assignee Dr. Osamu Yamazaki Director		

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

ASSENT BY ASSIGNEE FOR FILING OF REISSUE APPLICATION (DIVISIONAL)

This is part of the application for a reissue patent filed herewith based on the original patent identified as follows:

Name of Patentee: Matsushita Electric Industrial Co., Ltd.

Patent Number: 5,790,172

Date Patent Issued: 08/04/1998

Title of Invention: SERVER APPARATUS, SUBSCRIBER APPARATUS AND INFORMATION ON DEMAND SYSTEM

I am an assignee owning an undivided interest to the above original patent.

I assent to the accompanying application for reissue.

Attached is a "Certificate under 37 C.F.R. section 3.73(b)"

Matsushita Electric Industrial Co., Ltd.

Signature of person signing for assignee

Date: _____

Dr. Osamu Yamazaki
Director